



## COURSE SYLLABUS

### Tillämpad konkurrens- och marknadsanalys Applied Competition and Market Analysis 7.5 credits (7,5 högskolepoäng)

**Course code:** IY2620

**Main field of study:** Industrial Economics and Management

**Disciplinary domain:** Technology

**Education level:** Second cycle

**Specialization:** AIF - Second cycle, has second cycle course/s as entry requirements

**Language of instruction:** English

**Applies from:** 2022-01-31

**Approved:** 2022-01-31

#### 1. Decision

This course is established by Dean 2019-10-17. The course syllabus is approved by Head of Department of Industrial Economics 2022-01-31 and applies from 2022-01-31.

#### 2. Entry requirements

Admission to the course requires taken courses Economic Analysis of technology, Technological Change and Strategy 7.5 credits and Advanced Research Method and Design 7.5 credits and completed course Economic Analysis of Markets, Firms and Industries 7.5 credits.

#### 3. Objective and content

##### 3.1 Objective

The purpose of the course is to develop the students' ability to work with empirical models to investigate the value of data based on different questions related to competition and market situations for different types of companies and market. Students will conduct and report various empirical analyzes based on previously reviewed theory to answer typical strategic questions a company faces.

##### 3.2 Content

The course starts with a brief review of microeconomic concepts that are relevant in an empirical industrial organization context. After providing this brief overview, the course is divided into two sections. In the first section, the course introduces basic econometric techniques relevant for the empirical of competition and market analysis. In the second section, students learn how to use these econometric tools to analyse the behaviour of firms towards other firms as well as towards consumers. Using game theoretic tools, students analyse strategic interactions between firms. The section covers topics such as price and non-price competition; estimating demand and cost functions; mergers; among others. The section also deals with the empirical study of industrial dynamics, including the growth and entry and exit decisions of firms.

#### 4. Learning outcomes

The following learning outcomes are examined in the course:

##### 4.1 Knowledge and understanding

On completion of the course, the student will be able to:

- demonstrate knowledge of market and competition analysis using theories from industrial organization
- understand and distinguish between different models of strategic interaction
- understand market structure and interfirm competition
- demonstrate knowledge and understanding of statistical techniques
- discuss the role of industrial dynamics.

##### 4.2 Competence and skills

On completion of the course, the student will be able to:

- apply economic theory to form hypotheses about inter-firm relationships
- apply statistical and economic methods to test theories of industrial organization

- analyse price setting behaviour of firms using econometric tools
- apply economic models to analyse market structure
- explain the relationship between market structure and industry dynamics and inter-firm behaviour
- communicate their analyses in a clear and coherent manner.

#### 4.3 Judgement and approach

On completion of the course, the student will be able to:

- independently assess information and develop the ability to pursue further studies in the field.

#### 5. Learning activities

Teaching activities in the course include lectures, seminars, group work as well as independent study. The course will be assessed on an ongoing basis.

#### 6. Assessment and grading

Modes of examinations of the course

Code	Module	Credits	Grade
1910	Written assignment 1	1 credits	GU
1920	Written assignment 2	1 credits	GU
1930	Written examination	5.5 credits	AF

The course will be graded A Excellent, B Very good, C Good, D Satisfactory, E Sufficient, FX Fail, supplementation required, F Fail.

The information before a course occasion states the assessment criteria and make explicit in which modes of examination that the learning outcomes are assessed.

An examiner can, after consulting the Disability Advisor at BTH, decide on a customized examination form for a student with a long-term disability to be provided with an examination equivalent to one given to a student who is not disabled.

#### 7. Course evaluation

The course evaluation should be carried out in line with BTH:s course evaluation template and process.

#### 8. Restrictions regarding degree

The course can form part of a degree but not together with another course the content of which completely or partly corresponds with the contents of this course.

#### 9. Course literature and other materials of instruction

Martin, Stephen. Industrial Organization: A European Perspective Illustrated Edition, Oxford University Press, 272 pages. Latest edition

Westhoff, Frank. An Introduction to Econometrics: A Self-Contained Approach, MIT Press, 2013. ProQuest Ebook Central  
Additional resources such as scientific articles, reports and additional reading material of maximum 500 pages are included.